

## LVS-9510

# LVS-9510



Comes with handheld top cover (not shown) to keep label in position on viewing window.

## Desktop Barcode Verification System

The LVS-9510 is a high-performance system for off-line verification of barcodes to ISO/IEC, ANSI, GS1, and UDI standards.

The LVS-9510 is unique in the world of ISO verification due to its ease of use and ability to verify linear (1D) and two-dimensional (2D) codes without any change of equipment. The system automatically determines the symbology and aperture needed to evaluate the code and identifies and highlights trouble spots.

The LVS-9510 offers a "stitching" feature that allows grading of barcodes that are larger than the field of view.

### LVS-9510: At a Glance

- Validates to ISO/IEC, ANSI, GS1, and UDI print quality standards.
- Software upgrade options include Multi-Sector for verification of multiple barcodes on a label.
- 21 CFR Part 11 compliant-ready.
- Certified by GS1 US.
- Supports 15 languages with the ability to add more languages.
- Quality data reporting for auditing purposes.
- Manage operator permissions using LVS-95XX software or using Microsoft Active Directory.
- Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system.

#### ISO/ANSI for 1D

LVS-95XX series barcode verifiers inspect all nine ISO/ANSI parameters for linear (1D) barcodes, have the ability to identify blemishes, and can perform simple human-readable validation.

#### ISO/ANSI for 2D

The LVS-95XX series verifies 2D codes and reports all parameters as specified in the applicable symbology specification.

#### Analytical Tools

Equipped with numerous analytical tools to identify and evaluate barcode errors. Problems are color-coded to make problem solving easy.

#### Software Upgrade: EAIV

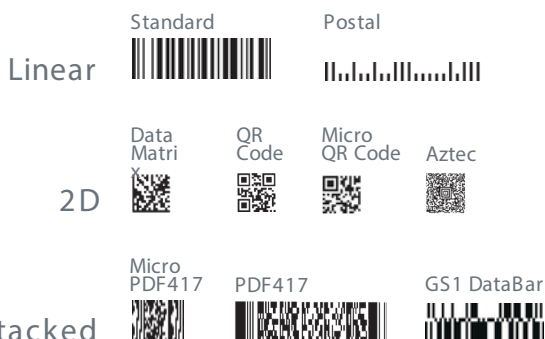
The Enhanced Application Identifier Verification (EAIV) option verifies that all GS1 Application Identifiers, such as Expiration Date, Global Trade Item Number (GTIN), and Batch Number, embedded in the data structure of a GS1 barcode match the data programmed in the EAIV feature by the user.

#### User Permission Options

Manage permissions through LVS-95XX software: Passwords are stored in a local database. All passwords are encrypted, include an expiration date, and count failed password attempts.

Manage permissions through Microsoft Active Directory: User privileges are based on Microsoft authentication and LVS-95XX permissions are assigned based on group membership.

### LVS-9510: Available Symbologies



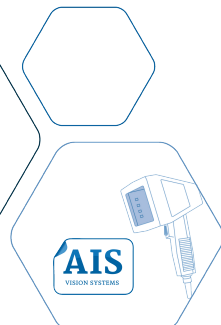
Please see the second page for a complete list of supported symbologies.

#### Software

LVS-95XX software includes GS1 System Symbol Specification Tables. GS1 tables set standards for barcode data structure and how to maintain the quality of codes during barcode creation. Omron Microscan offers an online training course on GS1 tables and how these apply to different organizations.

#### Field of View Options

- 1.75" (44 mm)
- 3.0" (76 mm)
- 4.0" (102 mm)
- 4.5" (114 mm)
- 6.250" (159 mm)



# LVS - 9510 SPECIFICATIONS AND OPTIONS

## SUPPORTED STANDARDS

Application Standards  
 AIAG/DAMA/JAPIA/Odette  
 ALDI  
 ISO/IEC TR 29158 (DPM Cat 0)  
 DHL  
 FPMAJ  
 French CIP  
 GS1 General Specifications  
 HDMA Guidelines  
 Health Industry Barcode (HIBC)  
 IFAH  
 Italian Pharmacode  
 Japan Codabar  
 Laetus Pharmacode  
 Laetus Standard  
 MIL-STD-130  
 Pharmacy Product Number (PPN)  
 Automatic GS1 or ISO  
 GS1 (NTIN)  
 Miniature Pharmacode  
 Postal (EIB, USPS IMB/Code 128, POST NE, T  
 Japan Post)  
 PZN-big, normal, small (German Pharmacode)

GS1 US Certification  
 Data Matrix for Healthcare  
 Data Matrix (ECC 200)  
 EAN/UPC  
 EAN/UPC and extended codes  
 EAN/UPC with CC  
 GS1 DataBar Omnidirectional  
 ITF-14  
 GS1 DataBar-14 with CC (formerly RSS-14  
 with CC)  
 UCC/EAN with Supplementals  
 UCC/EAN-128  
 UCC/EAN-128 with CC

ISO Conformance Standards  
 ISO/IEC 15415, 15416, 15418  
 ISO/IEC 15426-1, 15426-2  
 All supported ISO/IEC Symbology Specifications

## MECHANICAL

Height: 266.7 mm (10.5")  
 (Includes rubber feet on system base.)  
 Width: 282 mm (11.125")  
 Depth: 230 mm (9.062")  
 Viewing Window: 127 mm x 177.79 mm  
 (5" x 7")  
 Weight (Approx.):  
 Unpackaged standalone weight:  
 2.72 kg (6.0 lbs.)  
 Shipping weight (includes all items packaged  
 in shipping box, such as power supply and  
 cables): 5.89 kg (13.0 lbs.)  
 Top Cover Dimensions:  
 139.7 mm x 190.5 mm (5.5" x 7.5")  
 Top Cover Weight:  
 155.92 g (5.5 oz.)

## MINIMUM PC REQUIREMENTS

PC supplied by customer.  
 Windows® 7 Professional, Windows® 8.1 Pro,  
 or Windows® 10 Pro;  
 Intel® Core™ i3 or higher;  
 4 GB RAM;  
 800 x 600 Screen Resolution;  
 One USB 2.0 port available per unit.

## SUPPORTED SYMBOLOGIES

Linear (1D) Symbologies  
 Codabar  
 Code 128, Code 39, Code 93  
 DataBar  
 DataBar Expanded and Limited  
 DataBar Omnidirectional  
 DataBar Stacked and Truncated  
 EAN/JAN-13  
 EAN/JAN-8  
 Enterprise Intelligent Barcode (EIB) 4-  
 State (4SB)  
 GS1-128  
 Hanxin Code  
 HIBC  
 Interleaved 2 of 5 (ITF)  
 ITF-14  
 Japan Post  
 MSI Plessey  
 Pharmacode-Italian and Laetus  
 PZN 7 and PZN 8  
 UPC-A and UPC-E  
 USPS-128  
 USPS Intelligent Mail Barcode (4-State  
 Customer Barcode)

## Two-Dimensional (2D) Symbologies

Aztec  
 DataBar with CC-A, CC-B, or CC-C  
 EAN/JAN-13 with CC-A, CC-B, or CC-C  
 EAN/JAN-8 with CC-A, CC-B, or CC-C  
 ECC-200 (Data Matrix) including:  
 •EIB CMDM  
 •French CIP  
 •GS1 Data Matrix  
 •NTIN and PPN  
 GS1-128 with CC-A, CC-B, or CC-C  
 MaxiCode  
 Micro QR Code  
 MicroPDF417  
 PDF417  
 QR Code  
 UPC-A with CC-A, CC-B, or CC-C  
 UPC-E with CC-A, CC-B, or CC-C  
 Note: CC = Composite Components Contact  
 Omron Microscan for a complete list of  
 supported ECC-200 (Data Matrix) codes.

## ILLUMINATION

Type: White LEDs; Red filter (660nm)  
 Optional clear window available for  
 purchase.

## ELECTRICAL

Power Input: 12 VDC @ max. 2.5 A

## COMMUNICATIONS

USB 2.0 A plug to B plug cable  
 1.8 m (6 ft.)

## CAMERA

Monochrome 5.0 megapixel

## ENVIRONMENTAL

Operating Temperature: 10° to 30° C  
 (50° to 86° F)  
 Storage Temperature: 0° to 40° C  
 (32° to 104° F)  
 Relative Humidity, Operating: 20% to 80%  
 (non-condensing); Relative Humidity,  
 Storage: 20% to 95% (non-condensing)

## 21 CFR PART 11

The LVS-9510 is certified by GS1 US and  
 is 21 CFR Part 11 compliant-ready.

## CALIBRATION

One of the following options:  
 EAN/UPC Calibrated Conformance Test Card  
 GS1-128 Calibrated Conformance Test Card

## Calibration Card Part Numbers (Included with System)

9510-5-1.75: EAN/UPC Test Card P/N 98-CAL020  
 9510-5-3.0: EAN/UPC Test Card P/N 98-CAL020  
 9510-5-4.0: EAN/UPC Test Card P/N 98-CAL020  
 9510-5-4.5: EAN/UPC Test Card P/N 98-CAL020  
 9510-5-6.250: GS1-128 Test Card P/N 98-CAL021

## FIELD OF VIEW OPTIONS

Part Number	Minimum X Dimension (Nominal)		Field of View (Approximate)
	1D	2D	
9510-5-1.75	3.0 mil (0.07 mm)	4.5 mil (0.11 mm)	1.75 inches (44 mm)
9510-5-3.0	4.0 mil (0.10 mm)	5.9 mil (0.15 mm)	3.0 inches (76 mm)
9510-5-4.0	6.0 mil (0.15 mm)	9.0 mil (0.23 mm)	4.0 inches (102 mm)
9510-5-4.5	7.0 mil (0.18 mm)	9.8 mil (0.25 mm)	4.5 inches (114 mm)
9510-5-6.250	9.4 mil (0.24 mm)	13.1 mil (0.33 mm)	6.250 inches (159 mm)

## SAFETY CERTIFICATIONS

DESIGNED FOR  
 FCC, CE, UL

## RoHS COMPLIANT

## QMS CERTIFICATION

[www.microscan.com/quality](http://www.microscan.com/quality)

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Warranty - For current warranty information about this product,  
 please visit [www.microscan.com/warranty](http://www.microscan.com/warranty).

